

Governor's STEM Academy Brief



Office of Career and Technical Education Services

VOLUME 44—HOSPITALITY AND TOURISM

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The purpose of the monthly brief is to provide information, resources, and a networking vehicle to support the STEM (science, technology, engineering, and mathematics) Academies in Virginia.

HOSPITALITY & TOURISM CLUSTER SPOTLIGHT

The *Hospitality & Tourism* Cluster, one of Virginia's largest clusters, employed nearly 468,000 Virginians in 2012, and is expected to employ about 64,500 more Virginians in 2022, for a total of about 532,500. This represents 14 percent growth over the decade, exceeding the anticipated national average growth of 10 percent among all occupations in this cluster, as calculated based on information from [Bureau of Labor Statistics](#). The continued growth and expected increase in employment in the Hospitality & Tourism Cluster would provide a strong basis for expansion of existing Governor's STEM Academies to include this cluster. For more information on occupations in the *Hospitality & Tourism* Cluster, visit <http://ctetrailblazers.org/>.

CAREER LINKS—HOSPITALITY & TOURISM

- Career resources for hospitality and tourism are included in [Hcareers](#), [Hospitality Guild: Careers in the Hospitality Industry](#), [Is a Career in Hospitality and Tourism in Your Future?](#), [ISEEK: Hospitality and Tourism](#), [National Restaurant Association: Restaurant Careers](#), and [Hospitality Careers Now](#).
- Additional career information for security in hospitality and tourism is provided through [Cybersecurity Competency Model](#) and [National Initiative for Cybersecurity Careers and Studies](#).

GRANTS AND OPPORTUNITIES

- VDOE, in partnership with James Madison University, will sponsor a collaborative science-inclusion special education institute June 22–26. Augmenting Science and Special Educator Teams is designed to enhance all student outcomes by improving content understanding, pedagogical strategies, collaborative strategies, and networking skills. See [Superintendent's Memo 052-15](#) for more information.
- Join Northern Virginia STEM outreach organizations who are providing hands-on STEM activities for kids... and grown-ups! Solve science and math mysteries, play with robots, learn about gaming, check out 3-D printers, and more! The goal of the STEM afternoon is to engage kids (and parents) with hands-on activities, expose them to community resources, and introduce them to organizations offering STEM programs and information. Summer STEM Sunday is June 21 from 1–5 p.m. at the Fairfax VA Micro Center Store, Pan Am Plaza, 3089 Nutley Street, Fairfax, VA 22301. Admission is free. Contact Jessica Gunther of Science, Naturally at Jessica@sciencenaturally.com for additional information.

INSTRUCTIONAL STRATEGIES

- Find hospitality and tourism courses and lesson plan ideas at [Hospitality Services](#), [Restaurant Management](#), and [Hotel Management](#) (from Kingwood High School, Kingwood, TX).
- [Units for Hospitality, Tourism & Recreation Model](#) provides lesson ideas and instructional strategies.
- [TEA Statewide Instructional Resources Development Center: Hospitality and Tourism](#) provides instructional strategies that are easily replicated in the classroom.
- [Hospitality and Tourism/Hotel Management/Multiple Choice Math Assessment Problems](#) (from Texas Education Agency), [Tourism & Hospitality Lesson Plans, Worksheets, & PowerPoints](#) (from FamilyConsumerSciences.com), [Math in Restaurants Lesson Plan](#) (from thirteen.org), [FACS ListServ File Cabinet \(ProStart I and ProStart II\)](#) (from Utah Education Network), [How to Create a Winning Restaurant Business Plan](#) (from restaurantowner.com), [Tips & Ideas](#) (from Gourmet Marketing), and [Food Trends and Techniques](#), [Video Library](#), and [Sustainability Corner](#) (from American Culinary Federation) are a treasure-trove of instructional resources.
- Lesson resources on entrepreneurship in hospitality and tourism may include articles from [Chron: Small Business](#), such as [How to Empower Employees in the Hospitality Industry](#), [How to Make a Restaurant Concept Statement](#), [How to Market a Mobile Coffee Catering Business](#), and [Risks of Opening a Sandwich Shop With No Experience](#).
- Classroom resources for lessons on security issues in the hospitality world include [Security: Hospitality & Casinos](#), [How to implement a cyberattack protection plan](#), [Hospitality Risk Solutions](#), and [Hospitality Industry: Connecting the Unconnected](#), [The Internet of Everything](#).
- Visit the [American Hotel & Lodging Association's](#) Web site for a [2014 Lodging Industry Profile](#) and [State-by-State Fact Sheets on Lodging Industry](#), as well as an overview of the organization's [Legislative & Regulatory Issues](#).
- Go to [ITA: Office of Travel & Tourism Industries](#) for U.S. government statistics, research, and policies related to U.S. travel and tourism.
- For teaching material on the cruise industry—including cruise lines, destinations, safety, accessibility, and related topics—visit [Cruise Lines International Association](#) and [Passenger Vessel Association](#). See past issues of PVA's magazine, [Foghorn](#).
- Research health and accessibility issues and resources for international travelers at [World Health Organization: International travel and health](#) and [Society for Accessible Travel and Hospitality](#).
- For resources on corporate travel, see [Understanding the Business Traveler of 2015](#) and [Business Travel News](#).
- Looking for ways to incorporate geography into hospitality and tourism education? Visit [TeacherVision: Geography Teacher Resources](#), [American Geographical Society: Games](#), [National Council for Geographic Education: K-12 Teacher Resources](#), and [National Geographic: Education](#).
- Foreign language connections with the hospitality and tourism sector are the focus of [Language strategy in the hospitality sector](#), [One Hot Job Skill in Hospitality](#), and [Importance of Foreign Languages Learning](#).
- Hospitality and tourism resources for English as a Second Language teachers include [Hotel and Resort English](#), [eslflow.com](#), and [onestopenglish.com](#).

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